

AWR Snapshots Not Generated, ORA-1: unique constraint (SYS.WRH\$_IC_DEVICE_STATS_PK) violated (Doc ID 960003.1)

Modified: 28-Oct-2009 Type: PROBLEM

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APPLIES TO:

Oracle Server - Enterprise Edition - Version: 11.1.0.6 to 11.1.0.8
This problem can occur on any platform.

SYMPTOMS

AWR snapshots are not generated.

MMON trace file shows the following error:-

Oracle Database 11g Enterprise Edition Release 11.2.0.0.0 - Development
With the Partitioning, Real Application Clusters, OLAP, Data Mining
and Real Application Testing options

ORACLE_HOME = /scratch/oracle/db_home

System name: Linux

Node name: stait09

Release: 2.6.9-34.0.1.0.11.ELsmp

Version: #1 SMP Thu Oct 26 14:26:54 PDT 2006

Machine: i686

Instance name: RacStres_1

Redo thread mounted by this instance: 1

Oracle process number: 42

Unix process pid: 11334, image: oracle@stait09 (m000)

*** 2008-03-31 02:00:16.124
*** SESSION ID:(837.1158) 2008-03-31 02:00:16.124
*** CLIENT ID:() 2008-03-31 02:00:16.124
*** SERVICE NAME:(SYS\$BACKGROUND) 2008-03-31 02:00:16.124
*** MODULE NAME:(MMON_SLAVE) 2008-03-31 02:00:16.124
*** ACTION NAME:(Remote-Flush Slave Action) 2008-03-31 02:00:16.124

*** KEWROCISTMTEEXEC - encountered error: (ORA-1: unique constraint (SYS.WRH\$_IC_DEVICE_STATS_PK) violated)

*** SQLSTR: total-len=632, dump-len=240,
STR={insert into WRH\$_IC_DEVICE_STATS (snap_id, dbid,
instance_number, if_name, ip_addr, net_mask, flags, mtu, bytes_received,
packets_received, receive_errors, receive_dropped, receive_buf_or,
receive_frame_err, bytes_s
ent, packets_s}

*** KEWRAFM1: Error=13509 encountered by kewrfteh

This issue occur when AWR gets snapshot, So AWR reports cannot be generated.

CAUSE

Similar [Bug 7247999](#) encountered for the problem.

[Bug 7247999](#) MMON SLAVE GETS ORA-1: SYS.WRH\$_IC_DEVICE_STATS_PK

The bug is said to have fixed in 11.2 and the one-off patch could be requested for 11.1.

SOLUTION

The patch could be requested and applied for the appropriate version.

Otherwise, just recreate the constraint as follows:

```
Rem
Rem Change the primary key for WRH$_IC_DEVICE_STATS
Rem
-- drop key to add new columns
alter table WRH$_IC_DEVICE_STATS
drop constraint WRH$_IC_DEVICE_STATS_PK;

-- create key using additional column
alter table WRH$_IC_DEVICE_STATS
add constraint WRH$_IC_DEVICE_STATS_PK
PRIMARY KEY (dbid, snap_id, instance_number, if_name, ip_addr)
using index tablespace SYSAUX;
```
